

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number  
**WO 2004/114518 A1**

(51) International Patent Classification<sup>7</sup>: **H03F 1/34**

(72) Inventors; and

(21) International Application Number:  
PCT/EP2004/050657

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(22) International Filing Date: 30 April 2004 (30.04.2004)

(25) Filing Language: English

(26) Publication Language: English

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(30) Priority Data:  
0313928.4 17 June 2003 (17.06.2003) GB

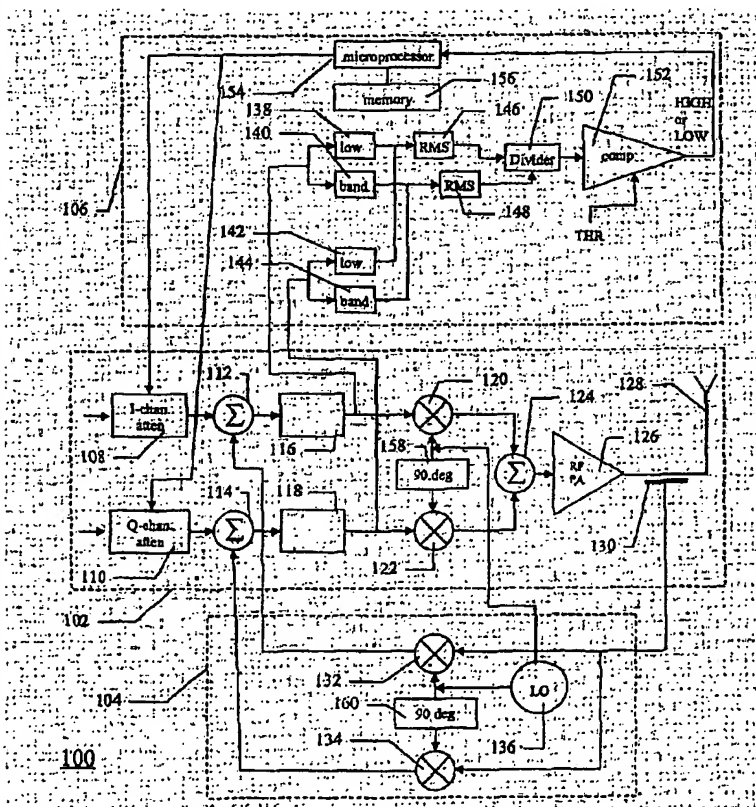
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

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(54) Title: **CARTESIAN LOOP TRANSMITTER AND METHOD OF ADJUSTING AN OUTPUT LEVEL OF SUCH TRANSMITTER**



(57) Abstract: In accordance with the present invention there is those provided a Cartesian loop transmitter (100) having an isolator eliminator circuitry (106) comprising a set of low pass (138, 142) and band pass (140, 144) filters for each of an I- and Q-channels, root mean square detectors (146, 148) and a divider (150) connected to a comparator (152) are received by a microprocessor (154) which controls attenuation setting. There is also provided a method of adjusting an output level of such transmitter (100). Said method comprises the step of measuring an on-channel signal level (206) and a noise level (208) and then calculating a ratio of said noise to said on-channel signal (214). If the ratio exceeds a defined threshold (216) an attenuation of the input attenuators is increased (218).



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report

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